ELECTRIC RULE 11

ELECTRIC SERVICE FACILITIES

A. GENERAL

1. Electric service connection facilities for supplying service to Customers, in accordance with good utility engineering practice, shall be provided by the Utility subject to conditions specified in this Rule. Before a new, relocated, or rebuilt service is connected, the installation must be inspected and approved by the Utility in addition to receiving any necessary approvals from other governing agencies. The installation must be constructed in accordance with Utility supplied plans, meet all current Utility specifications, Utility approved EUSERC (Electric Utilities Service Equipment Requirements Committee) configurations, and applicable California PUC General Orders 95 and 128 requirements.

2. An application for installation of service shall be made on a form furnished by the Utility. This application shall specify the size of the service connection desired, the property to be served and the purpose for which the electricity is to be used. The information supplied by the Applicant shall be considered as authoritative and final. If any error in the application causes the installation of a service connection that is improper either in type, size or location, the estimated cost of all changes required shall be paid by the Applicant.

3. Conditions and allowances prescribed in this Rule relate only to service connection facilities, and are based on the assumption that general distribution facilities within practical reach of the premises to be served are existing or will be installed in accordance with the Utility distribution system additions policy under Rule No. 10.

4. The Utility shall install only one service per building, and one meter per single-family residence or single non-residential enterprise in a building or Premises, except as follows:

    a. Where more than one service is required by reason of the Utility's operating convenience and necessity, the Utility shall specify the number and location of the services to be installed.

    b. Where a single building or other structure is sufficiently large to make two or more services necessary.

    c. Where a building will be occupied by two or more Customers, individually metered and billed by the Utility, separate services

of the same voltage and phase may be provided for each Customer. All such services shall terminate insofar as practical at the same general location, as designated by the Utility.

5. Materials or equipment furnished and installed on Customer premises by the Electric Utility will at all times be and remain the sole property of the Utility, and may be repaired or replaced by the Utility at any time, and removed at the termination of service, and may also be used to supply other Applicants for service. Applicant shall provide easements to the Utility when requested.

   The Customer shall exercise reasonable care, including vegetation maintenance required by Rule 13, to prevent the facilities of the Utility upon the premises from being damaged or destroyed, and shall not relocate or otherwise interfere with them, and, if any defect is discovered, shall promptly notify the Utility.

6. Due to the long lead times for engineering, material acquisition, crew scheduling and construction, application for service must be made as far in advance as possible. Depending on the complexity of the installation and assuming timely completion of all necessary steps by the Applicant, lead time of 6 months or more may be necessary. After receipt of design fees, electric service charges and deposits and clearance from the inspection agencies having jurisdiction, the Utility shall endeavor to complete within a reasonable time the installation of the necessary facilities. However, the Utility shall not be liable for any delays encountered in completing the installation.

7. If, for any reason of the Applicant, installation of a service cannot be accomplished during standard working hours, the Applicant shall pay in advance the estimated cost of the Utility overtime, to the extent that it exceeds any costs included in other charges.

8. The Utility shall be obligated to provide facilities adequate to serve only the estimated demand load initially specified and connected, regardless of the rating of the service equipment, service switch or breaker. Increased estimated demand loads will be considered as new installations, and the Customer shall pay the net cost of any changes required in the Utility facilities in accordance with Section B, Rule No. 11 and may be required to make specified changes in the service facilities or equipment to accommodate the increased load or the type of service to be supplied by the Utility.

9. Before beginning construction or installation of any facilities related to the electric service, the Applicant shall supply switchgear drawings

to the Utility and approval of the Utility must be received prior to the procurement, fabrication, delivery or installation of the switchgear. The location of the service entrance facilities, metering transformers, and meter shall be as specified by the Utility.

10. See Electric Appendix A for fees related to new electrical service panels, upgrades, and associated meter spots that may result in disconnects and reconnects for electric facilities for panel upgrades.

11. See Electric Appendix A for fees associated with Building and Public Works Utility Plan Checks, California Environmental Quality Act (CEQA) and project Plan Check cancellations. The project Plan Check cancellations are applicable to non-building and safety submittal plan checks.

12. See Electric Appendix A for fees related to electric vehicle meter adapter and associated costs.

13. Applicants for new electric service or expansions may request the Utility to prepare a feasibility study (at the Applicant's expense) to determine the preliminary extent of the electrical distribution system improvements.

14. At the Utility's discretion, an Accessory Dwelling Unit may be served from the existing meter panel at the premises. Applicants will require an additional electric meter for a City-approved Accessory Dwelling Unit (ADU) through a service panel upgrade. The service to the premise will be considered a multiple meter installation, and the Customer is responsible for any cost associated with such an installation, including but not limited to the service upgrade or replacement, meter installation, and inspections.

B. SERVICE CHARGES

1. Non-Commercial and Non-Industrial Services

The total estimated cost of the Utility facilities installed to serve the Applicant, exclusive of metering costs for non-commercial and non-industrial services, shall be paid by the Applicant for all new or increased loads, relocated, or overhead to underground conversion installations. The payment shall be made in advance of installation of Utility facilities. The estimated costs for facilities that will be used by more than one Customer will be shared proportionately.

2. Commercial and Industrial Services

The Utility's standard least estimated cost of facilities to serve an Applicant's new or increased commercial or industrial load shall be installed by the Utility and be paid by the Applicant in advance of installation. The estimated cost for any additional services, facilities or accommodations required beyond a standard least cost service as determined by the Utility shall be paid by the Applicant in advance of installation. Extraordinary facilities or service provisions will be handled under Rule No. 16, Added Facilities. The estimated cost of additions, rebuilds, relocations or overhead to underground conversions shall be paid by the Applicant in advance of installation.

C. SERVICE DESIGN AND ENGINEERING

All service designs and engineering shall require an upfront deposit and/or design fee as determined by the Utility. The design work will then be scheduled along with other eligible Applicants. Any deposit and fee previously collected for service design will be credited to the estimated cost of the design and installation of the service or refunded as appropriate.

The estimated cost of multiple designs to explore options or redesigns required by changes beyond the control of the Utility shall be paid by the Applicant.

All engineering services, studies or additional load assessments to explore multiple service options requiring additional efforts beyond a typical load assessment shall require an estimated cost of services determined by the Utility and shall be paid by the Applicant in advance of rendering these services.

D. UNDERGROUND SERVICE

1. Underground Service Mandatory
Installation of electrical service facilities for all new services shall be underground and installed according to Utility design standards, underground structures standards, the latest edition of RPU approved EUSERC configurations and Utility plans and specifications supplied for each specific installation.

   a. The requirements of this section may be waived if technical or physical conditions make underground installation infeasible in the Utility's judgment.

   b. Premises may be served overhead from existing facilities if underground service is not feasible in the Utility's judgment.

But, the Customer may be required to provide Utility approved facilities to accommodate future conversion to underground service.

c. When a service to an existing building being served overhead is relocated, rebuilt or increased in size, the service shall be installed underground unless, in the Utility's judgment, there are technical or physical impediments that make undergrounding infeasible.

2. Trench, Structures, and Conduit

The Applicant, at the Applicant's expense, shall provide the necessary trenching, conduit, backfill, compaction, trench resurfacing and substructure installation on the Customer property and to distribution facilities in adjacent rights-of-way on either side of the street or in a City easement adjacent to the parcel to be served. The Customer shall own and maintain the service conduits, substructures, pads and protective barriers on the premises. A line extension, other than the service, will be as specified in Rule No. 10.

3. Cable Installations

a. The Utility shall install all service cable from its distribution facilities to the Customer terminating pull box, switchboard pull section, or other terminating enclosure and make all connections.

b. For each service connection, the Customer shall install a set of service entrance conductors which extend from the point of service delivery at the point of termination of the Utility's service conductors within the Customer underground terminating enclosure, to the Customer meter or switchgear lugs. The service entrance conductors shall be of a type and be in an enclosure which meets with the approval of the Utility and any inspection authorities which have jurisdiction.

E. OVERHEAD SERVICE

1. New overhead services will be allowed only when underground service is not feasible.

2. The Applicant shall provide a suitable location for the termination of the overhead service wires and an adjacent weather head. The location of the termination and weather head is subject to approval of the Utility and any inspection authority having jurisdiction and must

meet all applicable codes.

3. Overhead service wires shall in all cases be furnished and installed by the Utility. The Applicant shall install the service entrance conductors from the point of termination of the Utility's service wires to the Applicant's meter or switchgear lugs.

4. The Applicant may be required to provide Utility approved facilities to accommodate future conversion to underground service.

5. Overhead service capacity shall be limited to 100 kVA single phase or 300 kVA three phase.

F. TRANSFORMERS ON CUSTOMERS PREMISES

1. Installation of transformer racks, enclosures, pads, vaults, or related equipment on Applicant's premises shall be as specified by the Utility.

2. The Applicant shall make adequate provisions for the necessary electrical equipment. The provisions, at the option of the Utility, shall be either:

   a. A concrete or other suitable base and enclosure, located outside the building, and furnished and installed by the Applicant;

   b. An underground vault or individual transformer enclosure furnished and installed by the Applicant; or

   c. An indoor transformer room provided by the Applicant and conforming to Utility specifications, suitably ventilated, illuminated and complying with the requirements of all other agencies having jurisdiction.

3. The Applicant shall provide necessary easements and rights-of-way, and provide and maintain necessary legal clearances from adjacent buildings and adequate access to supply lines, underground riser pole, outside enclosure, vault, pad mounted equipment, or transformer room, whether inside or outside of buildings, and to allow for movement of trucks, workers, materials and construction equipment.

4. All primary and secondary cable, transformers, high voltage fusing or switching equipment, blowers (except building ventilation systems for transformer rooms within buildings) and other related equipment

shall be furnished and installed by the Utility and paid by the Applicant.

5. When bus duct is required by the Utility in lieu of secondary cable, it shall be furnished and installed for the Utility by the Applicant in accordance with the Utility's specifications. The bus duct shall remain the property of the Applicant who will operate and maintain it.

G. HIGH VOLTAGE

Service at 6930/12000 volts may be provided for loads exceeding 1000 kVA of estimated demand where distribution facilities at this voltage are available. Conduit and cable installation for high voltage services shall be the same as indicated in this Rule for other services. Loads in excess of 6000 kVA will require multiple services or special services as covered in Rule No. 20.

The Applicant's primary protection and metering must be submitted to the Utility for review and approval. If requested by the Utility, the Applicant shall furnish and install primary switchgear or a circuit breaker containing battery or Utility approved tripping and phase and ground relays to insure coordination with the Utility's remote relays.

H. CONVERSION OF DISTRIBUTION FACILITIES AND SERVICES FROM OVERHEAD TO UNDERGROUND

The Utility, for reasons of economy of operation, simplification of its distribution system, or for other reasons, may elect to convert an area from overhead to underground distribution, and shall install at its expense all of the underground facilities necessary to supply service to the existing loads. If an area or service is converted from overhead to underground at the request of others, the cost will be paid by the requester in accordance with Rule No. 10, paragraph E.2. or in accordance with City ordinance if an underground district is formed.

I. ABANDONMENT OF SERVICE

Upon notification by the Customer, the Utility will remove the service and the conductors, transformers and other equipment exclusively used to serve the Customer. The removal of the ducts, vaults, pads and related equipment originally installed by the Customer will be the responsibility of the Customer. If a service is disconnected for more than 1 year, the service will be considered abandoned and the Utility may remove its facilities without notice. Should the Customer later request that the service be reactivated, the service shall be treated as new and the Customer shall pay all applicable costs for reinstalling the facilities.

J. IMPLEMENTATION OF COMMERCIAL AND INDUSTRIAL CHARGE MODIFICATIONS

For commercial and Industrial services energized after June 1, 1995, the charges will be recalculated in accordance with new Rule Nos. 10 and 11. Any excess charges already paid will be refunded.

K. SPECIAL PROVISIONS

Special Provisions have been enacted for infill development and apply to those single family residential parcels identified and defined in the Residential Infill Strategy, as adopted by the City Council.

The Special Provisions are as follows:

a. Street lighting unit of benefit charges shall be considered paid.
b. Overhead services shall be permitted where overhead facilities already exist.